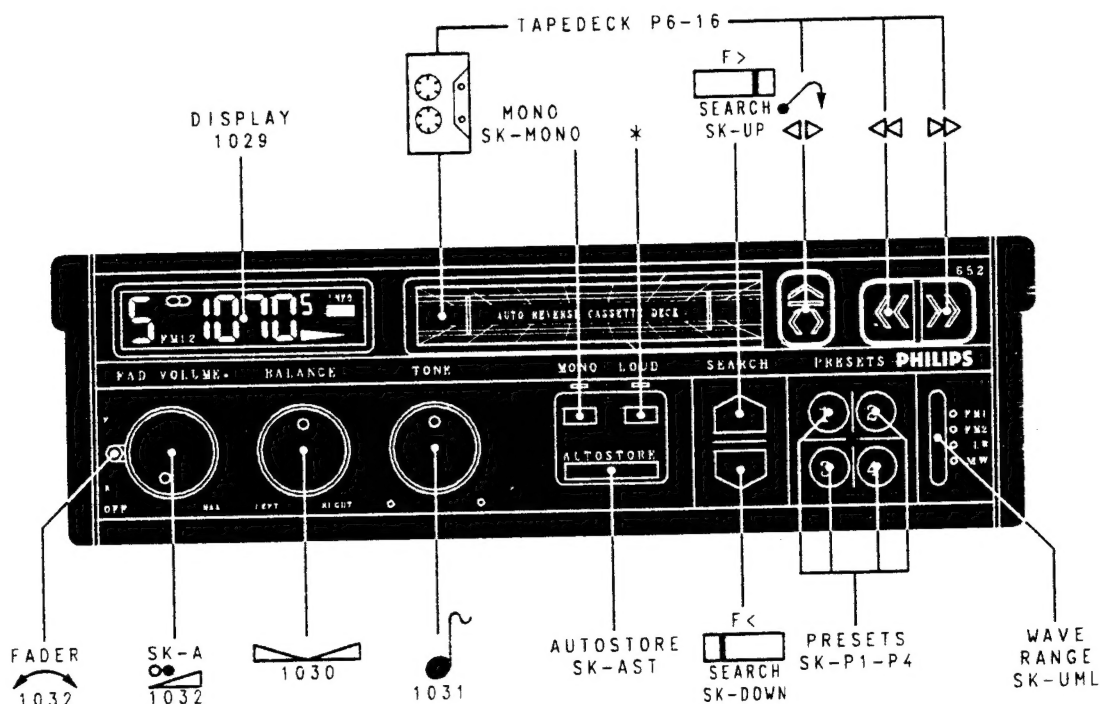


Service  
Service  
Service

For repair information of the cassette deck see Service Manual of Auto Cassette deck P6-16

# Service Manual

12 V 



\* =SK-LOUD DC652  
SK-INFO DC656

Documentation Technique Service Dokumentation Documentazione di Servizio Huolto-Ohje Manual de Servicio Manual de Servicio



NL

GB

F

Subject to modification

4822 725 22467

D

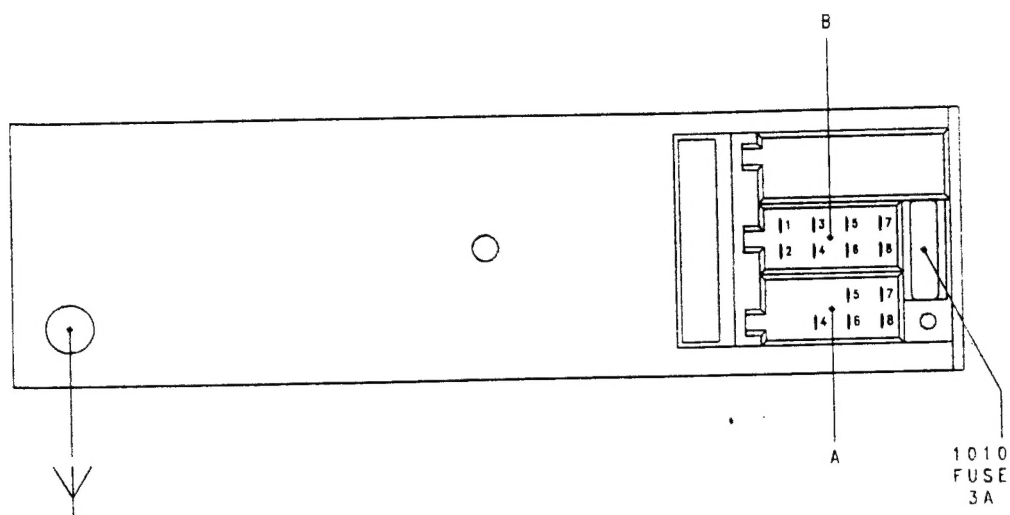
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Service Consumer Electronics



### CONNECTIONS OF BLOCK

A4 : + 14,4V DC PERMANENT  
 A5 : AUTOM. AERIAL  
 A6 : N. C.  
 A7 : + 14,4V DC SWITCHED  
 A8 : GROUND

B1 : REAR RIGHT  
 B2 : GROUND  
 B3 : FRONT RIGHT

B5 : FRONT LEFT  
 B6 : GROUND  
 B7 : REAR LEFT

**GB TECHNICAL DATA****GENERAL**

Power supply : 14.4V DC  
Dimensions : 180x51x150 mm

**RADIO**

LW : 144-288 KHz  
MW : 531-1611 KHz  
FM : 87.5-108 MHz  
IF-AM : 10.7 MHz  
IF-FM : 10.7 MHz  
Sensitivity 26 dB S/R : 160  $\mu$ V (LW)  
: 110  $\mu$ V (MW)  
: 110  $\mu$ V (MW)  
: 4  $\mu$ V (FM)  
Limitation a-3 dB : 15  $\mu$ V  
10 dB crosstalk : 150  $\mu$ V

**CASSETTE**

Number of tracks : 2x2  
Tape speed : 4.76 cm/sec.  
Wow and flutter :  $\leq 0,35$  %  
Crosstalk :  $\geq 30$  dB

**AMPLIFIER**

Output power : 4x3.8W  $\pm 1$  dB/4 $\Omega$   
(D  $\leq 10$ %) : 2x5W  $\pm 1$  dB/4 $\Omega$   
Loudness : +6dB at 125 Hz  
: +1dB at 1 kHz  
Tone control : +4/-12 dB at 10 kHz

**NL TECHNISCHE GEGEVENS****ALGEMEEN**

Voedingsspanning : 14,4V, gelijkspanning  
Afmetingen : 180x51x150mm

**RADIO**

LG : 144-288 kHz  
MG : 531-1611 kHz  
FM : 87,5-108 MHz  
MF-HM : 10,7 MHz  
MF-FM : 10,7 MHz  
Gevoeligheid bij 26 dB S/R : 160  $\mu$ V (LG)  
: 110  $\mu$ V (MG)  
: 110  $\mu$ V (MG)  
: 4  $\mu$ V (FM)  
Begrenzing a-3dB : 15  $\mu$ V  
10 dB overspraak : 150  $\mu$ V

**CASSETTESPELER**

Aantal sporen : 2x2  
Bandsnelheid : 4,76 cm/sec.  
Wow & Flutter :  $\leq 0,35$ %  
Overspraak :  $\geq 30$  dB

**VERSTERKER**

Uitgangsvermogen : 4x3,8W  $\pm 1$  dB/4 $\Omega$   
(D  $\leq 10$ %) : 2x5W  $\pm 1$  dB/4 $\Omega$   
Loudness : +6dB bij 125 Hz  
(fysiologische correctie) : +1dB bij 1 kHz  
Toonregeling : +4/-12 dB bij 10 kHz

**D TECHNISCHE DATEN****ALLGEMEIN**

Speisespannung : 14,4 V DC  
Abmessungen (BxHxT) : 180 x 51 x 150 mm

**RADIOTEIL**

LW : 144-288 kHz  
MW : 531-1611 kHz  
UKW : 87,5-108 MHz  
ZF/AM : 10,7 MHz  
ZF/FM : 10,7 MHz  
Empfindlichkeit bei 26 dB S/R : 160  $\mu$ V (LW)  
: 110  $\mu$ V (MW)  
: 110  $\mu$ V (MW)  
: 4  $\mu$ V (UKW)  
: 15  $\mu$ V  
Begrenzung a-3 dB : 15  $\mu$ V  
10 dB Übersprechdämpfung : 150  $\mu$ V

**CASSETTENTEIL**

Anzahl der Spuren : 2 x 2  
Bandgeschwindigkeit : 4,76 cm/sec  
Gleichlaufschwankungen :  $\leq 0,35$  %  
Übersprechdämpfung :  $\geq 30$  dB

**VERSTÄRKER**

Ausgangsleistung : 4 x 3,8 W  $\pm 1$  dB/4  $\Omega$   
(D  $\leq 10$  %)  
Gehörrichtige : +6 dB bei 125 Hz  
Lautstärkeregelung : +1 dB bei 1 kHz  
: +4/-12 dB bei 10 kHz  
Klangregelung

**I CARATTERISTICHE TECNICHE****GENERALITA**

Tensione d'alimentazione : 14,4V CC  
Dimensione : 180x51x150 mm

**RADIO**

v.o.  
Sensibilità a 26 dB S/B : 160  $\mu$ V (GO)  
: 110  $\mu$ V (PO)  
: 110  $\mu$ V (PO)  
: 4  $\mu$ V (FM)  
Soglia a a-3dB : 15  $\mu$ V  
10 dB crosstalk : 150  $\mu$ V

**RIPRODUTTORE DI CASSETTE**

numero di piste : 2x2  
Velocità d'avanzamento : 4,76 cm/s.  
Wow e flutter :  $\leq 0,35$ %  
Crosstalk :  $\geq 30$  dB

**AMPLIFICATORE**

Potenza d'uscita : 4x3,8W  $\pm 1$  dB/4 $\Omega$   
(D  $\leq 10$ %) : v.o.  
Volume : v.o.  
Equalizzazione : v.o.

**F CARACTERISTIQUES TECHNIQUES****GENERALITES**

Tension d'alimentation : 14,4V DC  
Dimensions : 180x51x150mm

**RADIO**

GO : 144-288 kHz  
PO : 531-1611 kHz  
FM : 87,5-108 MHz  
FI-AM : 10,7 MHz  
FI-FM : 10,7 MHz  
Sensibilité à 26 dB S/B : 40  $\mu$ V (GO)  
: 30  $\mu$ V (PO)  
: 6  $\mu$ V (FM)  
Point limite a-3dB : 15  $\mu$ V  
10 dB diaphonie : 70 à 200  $\mu$ V

**CASSETTE**

Nombre de pistes : 2x2  
Vitesse de défilement : 4,76 cm/sec.  
Pleurage et scintillement :  $\leq 0,35$  %  
Diaphonie :  $\geq 30$  dB

**AMPLIFICATEUR**

Puissance de sortie : 4x3,8W  $\pm 1$  dB/4 $\Omega$   
(D  $\leq 10$ %) : 2x5W  $\pm 1$  dB/4 $\Omega$   
Loudness : + 6 dB à 125 Hz  
(correction phys.) : + 1 dB à 1 kHz  
Régulation tonalité : + 4/-12 dB à 10 kHz

## GB SERVICE TEST PROGRAMME

### µC test

This test is called by turning the set on while pressing keys **1 and 2** at the same time. Besides the RAM, a great number of µC instructions are tested. If no faults occur, a special pattern will be displayed (see fig. 1F). The test can be stopped by turning off the set.

### Display test

This test is called by turning on the set while **simultaneously** pressing keys **1 and 3**. A number of easily recognizable patterns will be displayed in succession (see figs. 1a thru 1h). If you want to make one of the patterns visible for a longer time, you only have to keep pressed key **1** for the required time. The test can be stopped by turning off the set.

### Preprogrammed frequencies

To facilitate adjustment, a number of preprogrammed frequencies occur on each wave range. These frequencies can be "called" as follows: Put the set out of action, press key P1+4 and put the set into operation. Depending on the wave range, and the keys P1+4 selected, the frequencies from the table in figure 1 will be displayed.

## F PROGRAMME DE TEST SERVICE

### Test du µC

Ce test est appelé en mettant l'appareil en marche et en pressant en même temps les touches **1 et 2**. Un grand nombre d'instructions au µC sont testées outre à la RAM. S'il n'y a pas d'erreurs constatées, une mire spéciale apparaît à l'afficheur (voir fig. 1F). Il est mis fin au test par la mise hors circuit de l'appareil.

### Test de l'afficheur

Ce test est appelé par la mise en marche de l'appareil ainsi que par la pression **simultanée** des touches **1 et 3**. Un certain nombre de mires simples et se succèdent alors à l'écran (voir aux fig. de 1a à 1h). Si vous désirez voir une des mires particulier et pour un plus long moment, il suffit de presser la touche **1** pendant le moment voulu. Il est mis fin au test par la mise hors circuit de l'appareil.

### Fréquences préprogrammées

Afin de faciliter l'ajustage, un certain nombre de fréquences préprogrammées figurent sur chaque gamme d'onde. Celles-ci sont "rappelables" comme suit: Mettre l'appareil hors service, presser la touche P1+4 et mettre l'appareil en service. Selon la gamme d'onde et les touches P1+4 choisies les fréquences du tableau de la fig. 1 pourront être affichées.

## NL SERVICE TESTPROGRAMMA

### Een µC-test

Deze test wordt opgeroepen door het apparaat in te schakelen en door tegelijkertijd de toetsen **1 en 2** in te drukken. Behalve de RAM wordt een groot aantal µC-instructies getest. Indien er geen fouten gevonden worden, verschijnt een speciaal patroon in de display (zie figuur 1a tot en met 1f). De test wordt gestopt door het uitschakelen van het apparaat.

### Display-test

Deze test wordt opgeroepen door het apparaat in te schakelen en door **tegelijkertijd** de toetsen **1 en 3** in te drukken. Een aantal eenvoudige patronen verschijnt nu, achtereenvolgens in de display. (Zie fig. 1a tot en met 1h). Indien u een van de patronen speciaal en langer wilt bekijken, hoeft u alleen maar gedurende de gewenste tijd toets **1** in te drukken. De test wordt gestopt door het apparaat uit te schakelen.

### Voorgeprogrammeerde frequenties

Om de instelling te vergemakkelijken, telt elk golflengtegebied een aantal voorgeprogrammeerde frequenties. Deze kunnen als volgt worden opgeroepen: Het apparaat uitschakelen, op de toets **P1 + 4** drukken en het apparaat inschakelen. Al naargelang het golfbereik en de toetsen **P1 + 4** die u gekozen heeft, kunnen de frequenties uit figuur 1 in de display zichtbaar worden gemaakt.

## I PROGRAMMA DI PROVA SERVIZIO

### Prova di µC

La prova viene iniziata accendendo l'apparecchio e premendo contemporaneamente i tasti **1 e 2**. Oltre alla RAM viene verificato un gran numero di istruzioni al µC. Se non vengono rilevate anomalie, sul quadrante appare una mira speciale (v. fig. 1F). La prova viene terminata spegnendo l'apparecchio.

### Prova del quadrante di visualizzazione

La prova viene iniziata accendendo l'apparecchio e premendo contemporaneamente i tasti **1 e 3**. Dopodiché sullo schermo appaiono in successione una serie di mire semplici (v. fig. da 1 a 14). Se si desidera vedere una

della mire in particolare e per un periodo più lungo, basta premere il tasto **1** al momento voluto. La prova viene terminata spegnendo l'apparecchio.

### Frequenze preprogrammate

Al fine di facilitare la correzione, un certo numero di frequenze preprogrammate figurano su ciascuna gamma d'onda. Queste vengono attivate nel modo seguente: Spegner l'apparecchio, premere il tasto **P1+4** e accendere l'apparecchio. A seconda della gamma d'onda, e i tasti da **1 a 4**, potranno essere visualizzate le frequenze della tabella in fig. 1

	FM1	FM2	MW	
P1	87,5 MHz	93,15 MHz	990 KHz	141
P2	93 MHz		1566 KHz	162
P3	104 MHz		1611 KHz	
P4	108 MHz		1611 KHz	

Fig. 1

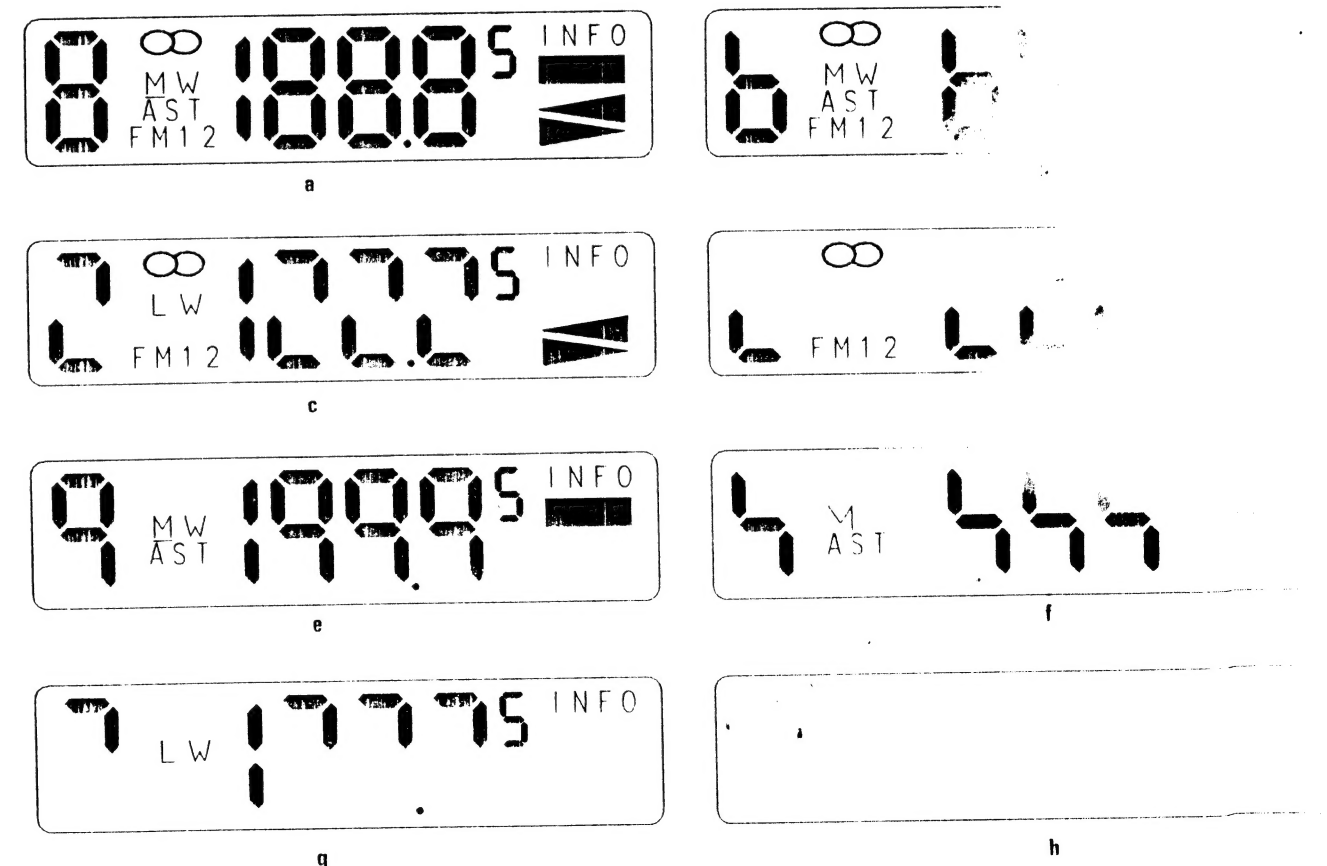


Fig. 2

## D PRÜFPROGRAMM ZUR WARTUNG

### µC-Prüfung

Das Programm zur µC-Prüfung wird durch Einschalten des Geräts und **gleichzeitiges** Drücken der Tasten **1 und 2** aufgerufen. Neben dem RAM wird eine große Anzahl von µC-Befehlen überprüft. Entdeckt das Programm keine Fehler, so erscheint im Display eine entsprechende Anzeige (s. Abb. 1f). Die Prüfung wird durch Ausschalten des Geräts beendet.

### Display-Prüfung

Das Programm zur Display-Prüfung wird durch Einschalten des Geräts und **gleichzeitiges** Drücken der Tasten **1 und 3** aufgerufen. Auf dem Display wechseln sich mehrere einfache Anzeigen ab (s. Abb. 1a-h). Zum Festhalten einer Anzeige auf dem Display beim Erscheinen dieser Anzeige Taste **1** gedrückt halten. Die Prüfung wird durch Ausschalten des Geräts beendet.

### Vorprogrammierte Frequenzen

Zur Vereinfachung der Abstimmung gibt es in jedem Wellenbereich eine Reihe von vorprogrammierten Frequenzen. Diese können folgendermaßen aufgerufen werden: Gerät ausschalten, Taste **1,2,3** oder **4** drücken, Gerät einschalten. Durch Wahl des Wellenbereichs und der Tasten **1-4** können so alle Frequenzen, die in der Tabelle von Abb. 1 dargestellt sind, auf dem Display aufgerufen werden.

...V  
...V FM  
...V AM  
...V >  
...V <  
...V eject  
...V >>  
...V <<

any position  
position FM  
position AM  
position play forward  
position play reverse  
position eject  
FFWD  
REW

#### 6000 LA 1177

1 = 2.6 V FM  
2 = 7.5 V FM  
3 = 7.1 V FM  
4 = 1.9 V FM  
5 = GND

6 = 4.5 V FM  
7 = 1.3 V FM  
8 = 4.0 V FM  
9 = 7.5 V FM

#### 6001 TEA 6200

1 = 6.5 V AM  
2 = 3.9 V AM  
3 = 8.0 V  
4 = 8.0 V  
5 = 8.0 V  
6 = 8.0 V  
7 = 0.6 V  
8 = 3.9 V AM  
9 = 3.9 V AM  
10 = GND

11 = 6.5 V AM  
12 = 1.2 V  
13 = 4.5 V AM  
14 = 8.2 V AM  
15 = 4.5 V AM  
16 = 4.5 V AM  
17 = GND  
18 = 1.0 V AM  
19 = 1.2 V AM  
20 = 3.2 V AM

#### 6002 TEA 6100

1 = 8.1 V  
2 = 0.6 V  
3 = 4.3 V signal MP-3  
4 = N.C.  
5 = MP-3  
6 = 40 KHZ  
7 = GND  
8 = 8.0 V  
9 = 5.0 V SCL  
10 = 5.0 V SDA

11 = 3.6 V MP-5  
12 = 4.4 V  
13 = 4.4 V  
14 = 2.0 V  
15 = 3.6 V  
16 = 2.8 V  
17 = 2.8 V  
18 = 2.8 V  
19 = 2.8 V  
20 = GND

#### 6003 TSA 6057

1 = 4 MHZ  
2 = 4 MHZ  
3 = 4.8 V  
4 = GND  
5 = 1.8 V  
6 = 1.8 V  
7 = 1.8 V  
8 = <0.8 V FM  
8.2 V AM

9 = 40 KHZ +/- 0.6 HZ  
10 = 4.8 V SDA  
11 = 4.8 V SCL  
12 = GND  
13 = 1.0 V to 5.8 V FM  
14 = 2.0 V  
15 = N.C.  
16 = 7.9 V

#### 6005 TEA 5581

1 = 3.5 V  
2 = 1.6 V  
3 = 5.0 V mono  
4 = 1.5 V signal  
5 = GND  
6 = 0.0 V mono  
7 = 1.3 V FM stereo  
8 = 1.7 V FM stereo MP-6  
0.9 V AM-FM mono

9 = 7.5 V AM  
7.2 V FM  
10 = 5.0 V rad mute on  
0.0 V rad mute off  
11 = 0.0 V main mute on  
5.0 V main mute off  
12 = 3.4 V  
13 = 3.4 V  
14 = 1.5 V  
15 = 2.1 V  
16 = 3.4 V

#### 6006 TD 7784

1 = 7.8 V  
2 = 2.7 V >>  
3 = 0.0 V eject  
4 = N.C.  
5 = 2.2 V  
6 = 2.2 V  
7 = 2.2 V  
8 = GND

9 = 2.2 V  
10 = N.C.  
11 = 2.2 V  
12 = 2.2 V  
13 = 2.2 V  
14 = N.C.  
15 = N.C.  
16 = 2.7 V

#### 6007 TMP 47C42i

13 = 5.0 V eject;>><<  
14 = 0.0 V >  
5.1 V <  
15 = 0.0 V ind stereo on  
5.0 V ind stereo off  
17 = 0.0 V reset on  
5.0 V reset off  
19 = 4.3 V >><<  
0.0 V eject  
20 = 0.0 V loud on  
info on  
1.4 V loud off  
info off

23 = 0.0 V manual search  
0.0 V dx FM+AST  
4.5 V loc FM+AST  
27 bleep  
28 = 5.0 V main mute off  
0.0 V main mute on  
29 = 5.0 V rad mute on  
0.0 V rad mute off  
30 = 5.0 V mono on  
0.0 V mono off  
39 = 0.0 V cass mute off  
7.2 V cass mute on

#### 6010 TDA 1518

1 = 2.1 V  
2 = 2.1 V  
3 = GND  
4 = 2.1 V  
5 = 7.6 V  
6 = 13.5 V  
7 = GND

8 = 13.5 V  
9 = 7.5 V  
10 = 14.4 V  
11 = 14.4 V  
12 = 7.6 V  
13 = 2.1 V

#### 1060 IAC THIFI

1 = N.C.  
2 = 2.5 V  
3 = N.C.  
4 = 4.3 V signal  
0.0 V no signal

5 = 4.0 V  
6 = 7.7 V  
7 = 8.1 V  
8 = GND

#### 7001 BF 992 (chip)

1 = 3.5 V (s)  
2 = 7.8 V (d)  
3 = 5.5 V (g2)  
4 = 3.8 V (g1)

#### 7007 BC 558

e = 8.2 V  
b = 7.4 V  
c = 0.0 V AM  
8.1 V FM

#### 7019 BC 547

e = GND  
b = 0.6 V  
c = 0.1 V >><<

#### 7040 BC547

e = 5.1 V  
b = 5.8 V  
c = 14.4 V

#### 7005 BC 547

e = GND  
b = 0.0 V manual search  
0.0 V dx FM + AST  
0.7 V loc FM + AST  
c = 5.5 V FM

#### 7014/15 BC 547

e = GND  
b = 0.6 V loud off  
0.0 V loud on  
c = 0.0 V

#### 7030 BC 547

e = GND  
b = 0.7 V reset on  
0.0 V reset off  
c = 5.0 V reset off  
0.0 V reset on

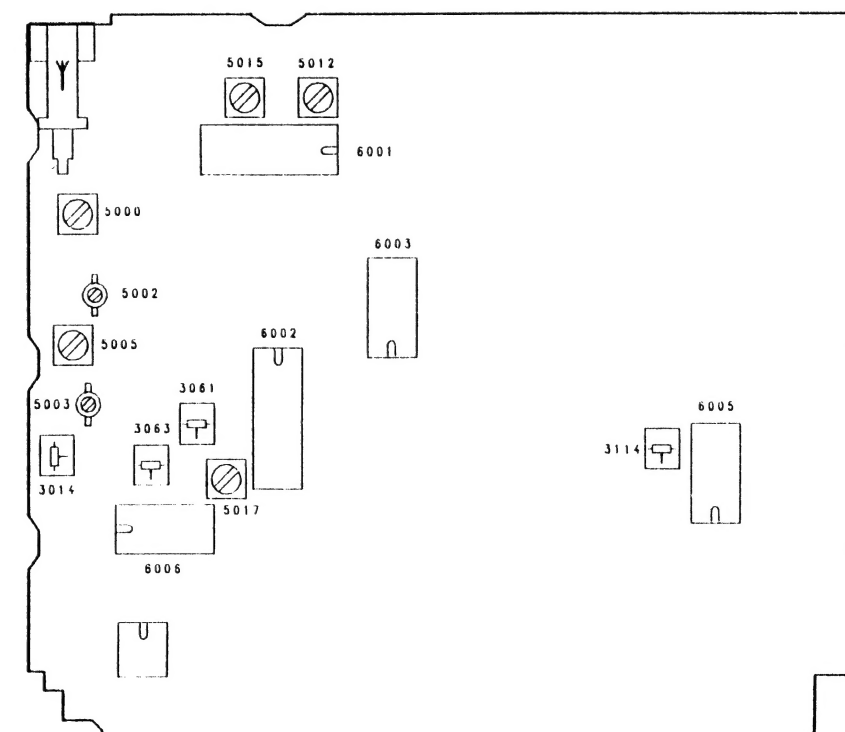
#### 7043 BD 939 F

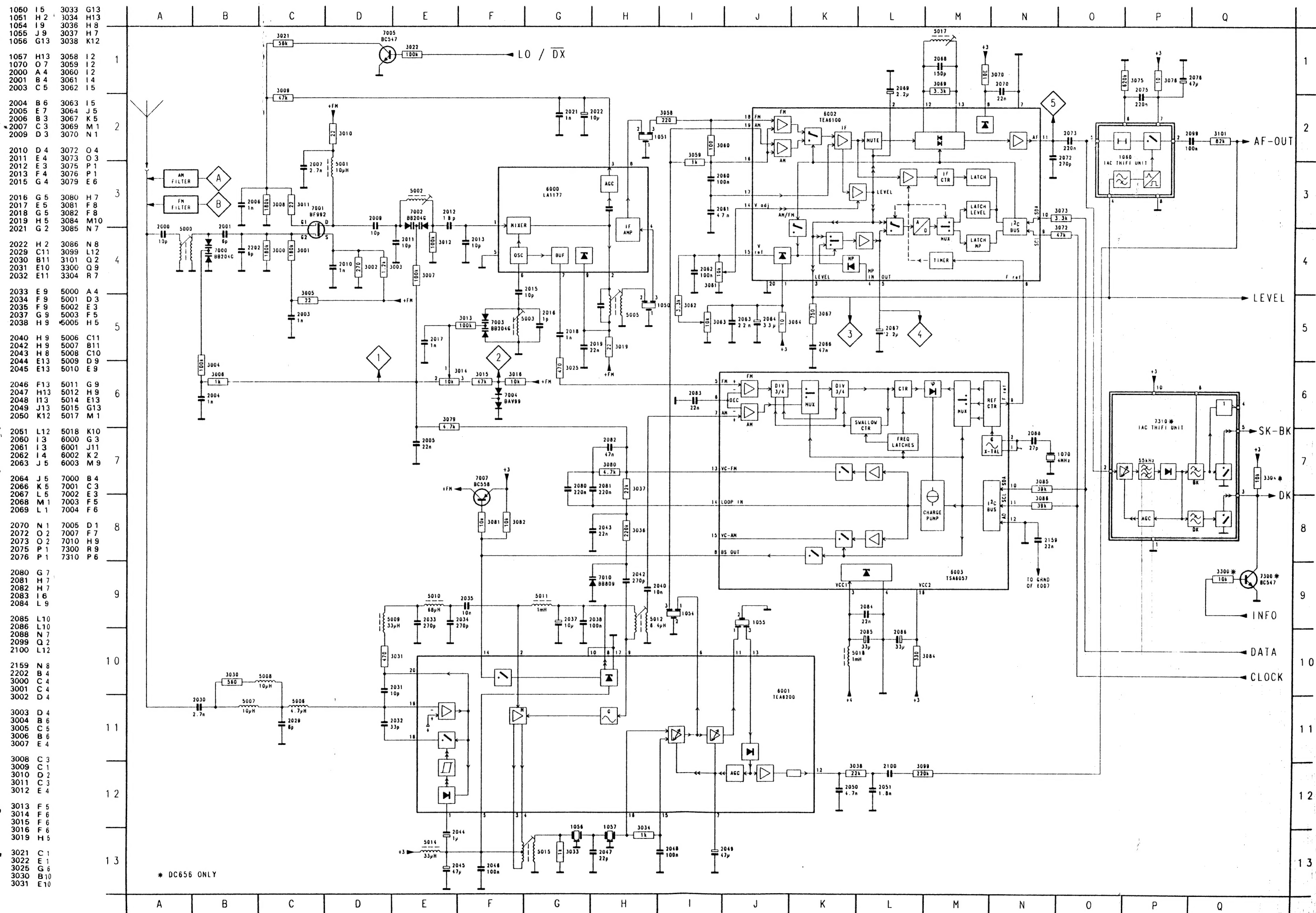
e = 8.2 V  
b = 8.9 V  
c = 14.4 V

#### 7044 BC 547

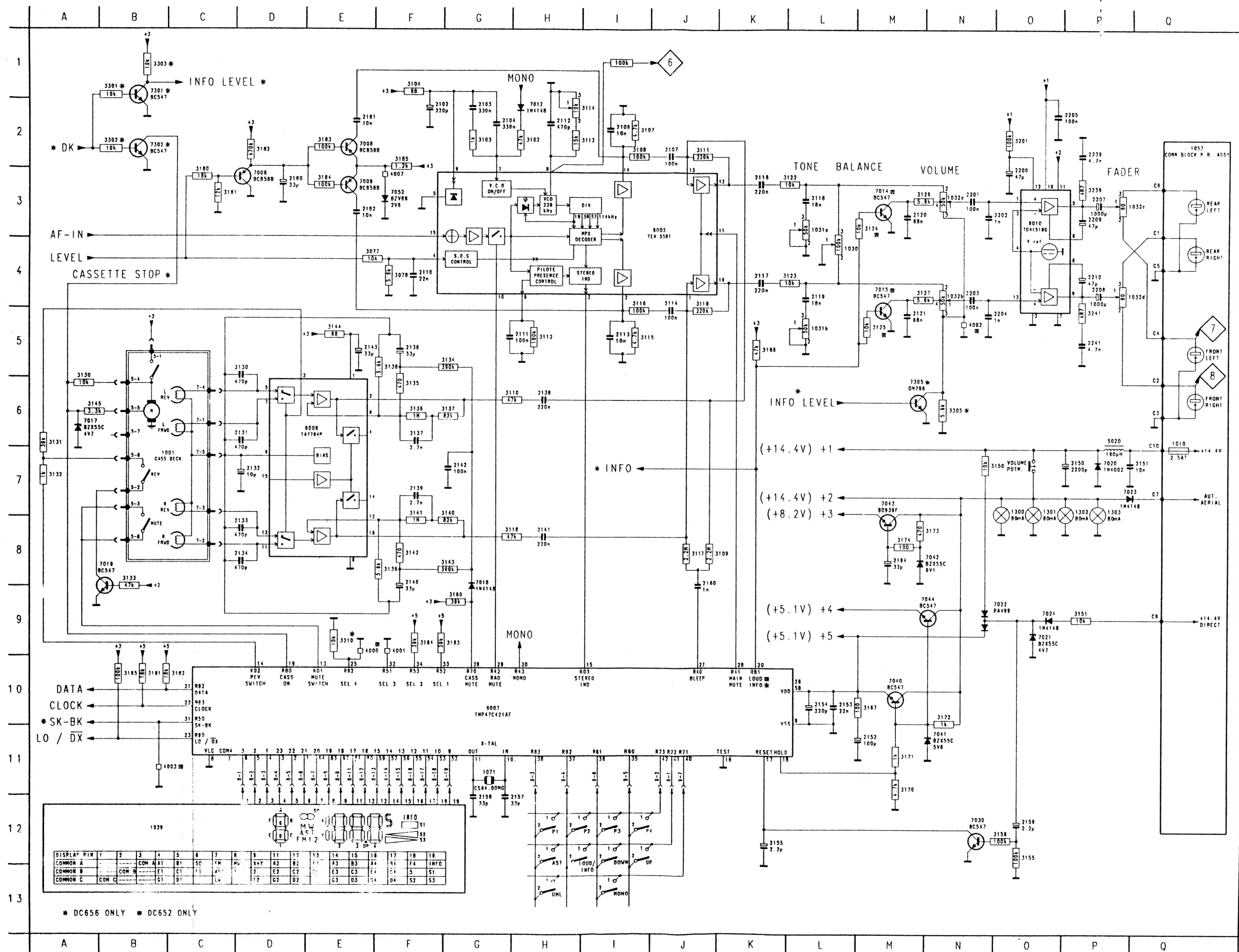
e = 5.1 V  
b = 5.8 V  
c = 14.4 V

ADJUSTMENT	SK					
FM OSCILLATOR	FM	87,5MHz unmodulated	B	P1 (87,5MHz)	5003	1 0V±50mV 2
FM-IF	FM	87,5MHz unmodulated	B	P1 (87,5MHz)	5005	3 MAX DC
DETECTOR	FM	93MHz 100µV	B	P2 (93MHz)	5017	MIN DC (6002) 11 and 15 ≤ 200mV
FM-RF	FM	87,5MHz unmodulated	B	P1 (87,5MHz)	5000	3 MAX DC
		93MHz 100µV		P2 (93MHz)	5002	
		104MHz unmodulated		P3 (104MHz)	3014	
α-3dB	FM	93MHz 1mV ΔF=22,5kHz Fmod=1kHz	B	P2 (93MHz)		5 0dB (775mV)
		93MHz 15µV ΔF=22,5kHz Fmod=1kHz			3061	5 -3dB
VCO STEREO DECODER	FM	no signal			3114	6 via 100kΩ 228kHz±0,5kHz
AM OSCILLATOR	PO	531kHz modulated	A	531kHz	5012	7 8 MAX AC
AM-IF	PO	990kHz modulated	A	P1 (990kHz)	5015	7 8 MAX AC
AM SEARCH LEVEL	PO	990kHz 70µV unmodulated	A	P1 (990kHz)	3063	4 1V6 DC±0,1







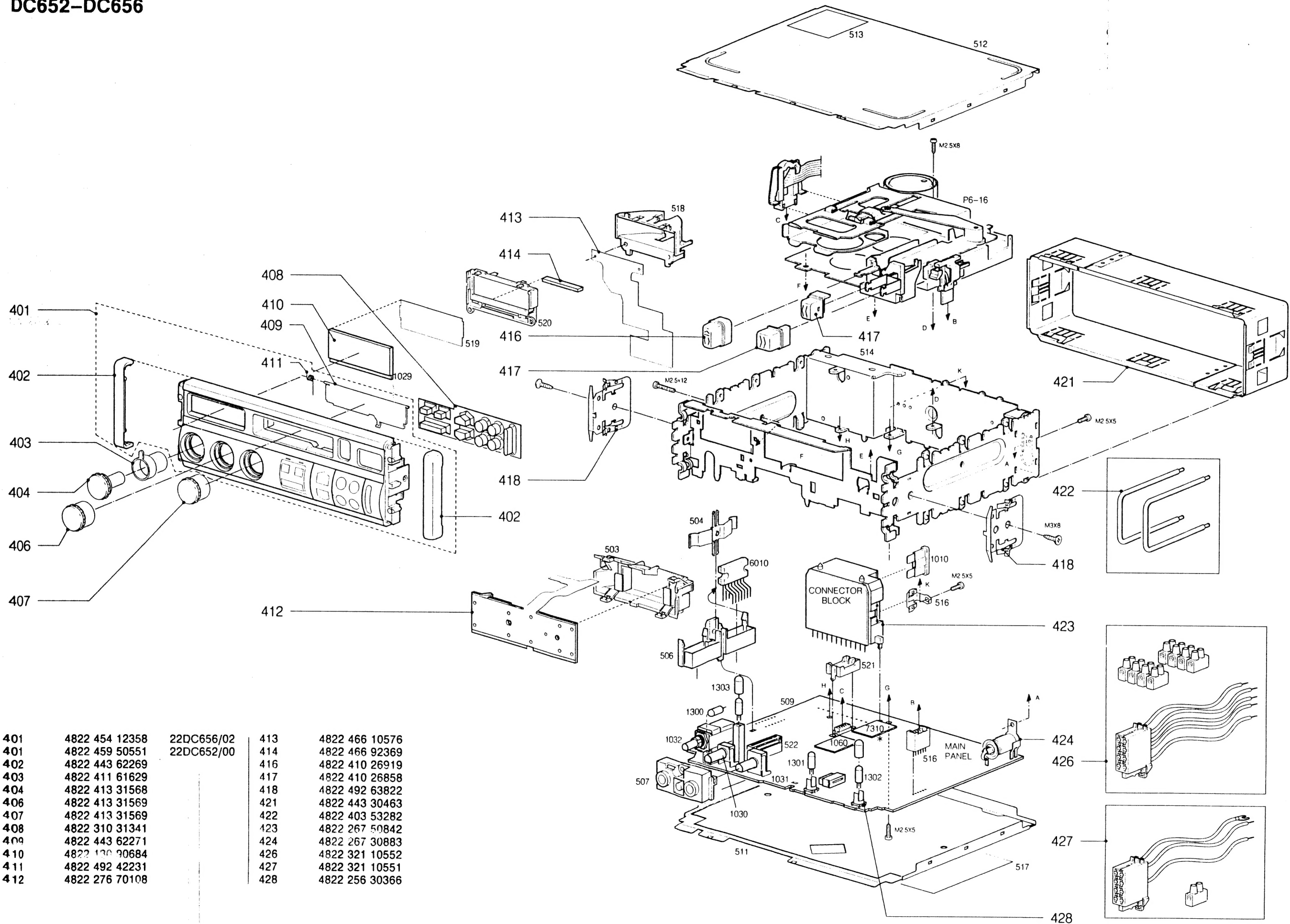


1001	C 7	3133	B 8
1010	O 6	3134	G 5
1029	B12	3135	F 6
1030	L 4	3136	F 6
1031	L 3	3137	G 6
1031	L 5	3138	F 5
1032	N 3	3139	F 8
1032	P 3	3140	G 7
1032	N 4	3141	F 7
1032	P 4	3142	F 8
1071	G11	3143	G 8
1300	O 7	3144	E 5
1301	O 7	3145	A 6
1302	P 7	3150	N 7
1303	P 7	3151	P 9
2102	F 2	3155	O12
2103	G 2	3156	O12
2104	G 2	3160	G 9
2106	I 2	3161	B10
2107	J 2	3162	C10
2110	F 4	3163	G 9
2111	H 5	3164	F 9
2112	H 2	3165	B10
2113	I 5	3166	K 5
2114	J 4	3167	M10
2116	K 3	3170	M11
2117	K 4	3171	M11
2118	L 3	3172	N10
2119	L 4	3173	N 8
2120	M 3	3174	M 8
2130	D 5	3180	C 3
2131	D 6	3181	C 3
2132	D 7	3182	D 2
2133	D 8	3183	E 2
2134	D 8	3184	E 3
2136	F 5	3185	F 2
2137	F 6	3201	O 2
2138	H 6	3239	P 3
2139	F 7	3241	P 5
2140	F 9	3301	B 1
2141	H 8	3302	B 2
2142	G 7	3303	B 1
2143	E 5	3305	N 6
2150	P 7	3310	E 9
2152	M11	4000	E 9
2153	L10	4001	F 9
2154	L10	4002	N 5
2155	K12	4003	B11
2156	O12	4007	F 3
2157	H12	5020	P 6
2158	G12	6005	J 3
2160	J 9	6006	E 6
2164	M 8	6007	G10
2180	D 3	6010	O 3
2181	E 2	7006	D 3
2182	E 3	7008	E 2
2200	O 3	7009	E 3
2201	N 3	7012	H 2
2202	O 3	7014	M 3
2203	N 4	7015	M 4
2204	O 5	7017	A 6
2205	P 2	7018	G 9
2207	P 3	7019	B 8
2208	P 4	7020	P 7
2209	P 3	7021	O 9
2210	P 4	7022	O 9
2239	P 2	7023	P 7
2241	P 5	7024	O 9
3077	E 4	7030	N12
3078	F 4	7040	M10
3102	H 2	7041	N11
3103	G 2	7042	N 8
3104	F 1	7043	M 7
3107	I 2	7044	N 9
3108	I 2	7052	F 3
3109	J 8	7301	B 1
3110	H 6	7302	B 2
3111	J 2	7305	M 6
3112	H 5		
3113	I 2		
3114	I 2		
3115	I 5		
3116	I 4		
3117	J 8		
3118	H 8		
3119	J 4		
3122	L 3		
3123	L 4		
3124	M 3		
3125	M 5		
3126	M 3		
3127	M 4		
3130	A 5		
3131	A 6		
3132	A 7		








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



\* ONLY 22DC656

			
2001	4822 126 10205	6pF 0.5pF NPO 0805	
2002	4822 126 10205	6pF 0.5pF NPO 0805	
2003	4822 122 33178	1nF 20% 0805	
2004	4822 122 33178	1nF 20% 0805	
2005	4822 122 33555	22nF 10% NPO 0805	
2006	4822 122 33178	1nF 20% 0805	
2010	4822 122 33178	1nF 20% 0805	
2012	5322 122 32965	18pF 5% NPO 0805	
2016	4822 122 33634	1pF 0.25pF 0805	
2017	4822 122 33178	1nF 20% 0805	
2018	4822 122 33178	1nF 20% 0805	
2019	4822 122 33555	22nF 10% 0805	
2021	4822 122 33178	1nF 20% 0805	
2022	4822 124 22403	10μF 20% 16V	
2029	4822 126 10205	6pF 0.5pF NPO 0805	
2032	4822 122 33215	33pF 5% NPO 0805	
2033	4822 122 33216	270pF 5% NPO 0805	
2034	4822 122 33216	270pF 5% NPO 0805	
2035	4822 122 33177	10nF 20% 0805	
2037	4822 124 40248	10μF20% 63V	
2040	4822 122 33177	10nF 20% 50V	
2042	4822 122 33216	270pF 5% 50V	
2043	4822 122 33555	22nF10%	
2044	4822 124 40242	1μF20% 63V	
2045	4822 124 41506	47μF 20% 16V	
2047	4822 122 33213	22pF 5% NPO 0805	
2049	4822 124 41506	47μF 20% 16V	
2050	4822 122 33337	4.7nF 20%	
2051	4822 122 33219	1.8nF 10% 0805	
2060	4822 122 33104	100nF10% 63V	
2061	4822 122 33211	47nF10% 63V	
2062	4822 122 33104	100nF10% 63V	
2063	4822 122 33555	22nF 10% 0805	
2064	4822 124 40272	33μF20% 16V	
2067	4822 124 40244	2.2μF20% 63V	
2068	4822 122 33338	150pF 5% 0805	
2069	4822 124 40244	2.2μF20% 63V	
2070	4822 122 33555	22nF10%	
2072	4822 122 33216	270pF 5% 50V	
2073	4822 121 41876	220nF 20% 63V	
2075	4822 121 41876	220nF 20% 63V	
2076	4822 124 41506	47μF 20% 16V	
2080	4822 122 32916	220nF20% 50V	
2081	4822 122 32916	220nF20% 50V	
2083	4822 122 33555	22nF10%	
2084	4822 122 33555	22nF10%	
2085	4822 124 40272	33μF20% 16V	
2086	4822 124 40272	33μF20% 16V	
2088	4822 122 33214	27pF 5% NPO 0805	
2100	4822 122 33555	22nF10%	
2102	4822 124 41554	220μF 20% 10V	
2103	4822 121 41877	330nF10% 63V	
2104	4822 121 41877	330nF10% 63V	
2106	4822 122 33177	10nF 20% 50V	
2110	4822 122 33555	22nF10%	
2113	4822 122 33177	10nF 20% 50V	
2116	4822 121 41876	220nF 20% 63V	
2117	4822 121 41876	220nF 20% 63V	
2118	4822 122 33893	18nF10% 63V	
2119	4822 122 33893	18nF10% 63V	
2130	5322 122 32268	470pF 5% NPO 0805	



			
2131	5322 122 32268	470pF 5% NPO 0805	
2132	4822 124 22403	10μF 20% 16V	
2133	5322 122 32268	470pF 5% NPO 0805	
2134	5322 122 32268	470pF 5% NPO 0805	
2136	4822 124 40272	33μF20% 16V	
2138	4822 121 41876	220nF 20% 63V	
2140	4822 124 40272	33μF20% 16V	
2141	4822 121 41876	220nF 20% 63V	
2143	4822 124 40272	33μF20% 16V	
2150	4822 124 22412	2200μF 20% 16V	
2151	4822 122 33177	10nF 20% 50V	
2152	4822 124 41754	100nF20% 5.5V	
2153	4822 122 33555	22nF10%	
2154	4822 124 41756	220μF20% 10V	
2155	4822 124 40244	2.2μF20% 63V	
2156	4822 124 40244	2.2μF20% 63V	
2157	4822 122 33215	33pF 5% NPO 0805	
2158	4822 122 33215	33pF 5% NPO 0805	
2159	4822 122 33555	22nF10%	
2160	4822 122 33178	1nF 20% 50V	
2164	4822 124 40272	33μF20% 16V	
2180	4822 124 40272	33 μF 20% 16V	
2181	4822 122 33177	10nF 10% 0805	
2182	4822 122 33177	10nF 10% 0805	
2200	4822 124 41506	47μF 20% 16V	
2202	4822 122 33178	1nF 20% 50V	
2204	4822 122 33178	1nF 20% 50V	
2207	4822 124 22411	1000μF 20% 10V	
2208	4822 124 22411	1000μF 20% 10V	
2209	4822 124 41506	47μF 20% 16V	
2210	4822 124 41506	47μF 20% 16V	
2239	4822 122 33337	4.7nF 20%	
2241	4822 122 33337	4.7nF 20%zI	






			
3000	4822 116 90443	180k 5% 0.1W	
3001	4822 116 90443	180k 5% 0.1W	
3002	4822 116 80882	270Ω 5% 0.1W	
3003	4822 116 80877	1k2 5% 0.1W	
3004	4822 111 91518	100k 5% 0.1W	
3005	4822 116 90467	22Ω 5% 0.1W	
3007	4822 111 91518	100k 5% 0.1W	
3008	4822 116 90443	180k 5% 0.1W	
3010	4822 116 90467	22Ω 5% 0.1W	
3011	4822 116 90467	22Ω 5% 0.1W	
3012	4822 111 91518	100k 5% 0.1W	
3013	4822 111 91518	100k 5% 0.1W	
3014	4822 100 20166	10k 30%LIN 0.1W	
3015	5322 116 90216	47k 5% 0.06W	
3016	4822 111 91517	10k 5% 0.1W	
3019	4822 116 90467	22Ω 5% 0.1W	
3021	4822 111 91535	56k 5% 0.06W	
3025	4822 116 90446	470Ω 5% 0.1W	
3030	4822 111 91533	560Ω 5% 0.06W	
3031	4822 116 90446	470Ω 5% 0.1W	
3033	4822 111 91516	1k 5% 0.1W	
3034	4822 111 91516	1k 5% 0.1W	
3036	4822 116 80881	220k 5% 0.1W	
3058	4822 116 90339	220Ω 5%	
3060	4822 116 90441	100Ω 5% 0.1W	
3061	4822 100 20166	10k 30%LIN 0.1W	
3062	4822 111 91526	3k3 5% 0.1W	
3063	4822 100 20166	10k 30%LIN 0.1W	
3064	4822 116 90457	10Ω 5% 0.1W	
3067	4822 116 80888	750Ω 5% 0.1W	
3069	4822 111 91526	3k3 5% 0.1W	
3070	4822 116 90457	10Ω 5% 0.1W	
3072	5322 116 90216	47k 5% 0.06W	
3073	4822 111 91526	3k3 5% 0.1W	
3075	4822 111 90213	620k 2% 0.25W	
3077	4822 111 91517	10k 5% 0.1W	
3078	4822 111 91534	5k6 5% 0.06W	
3080	4822 111 91532	4k7 5% 0.06W	
3082	4822 111 91517	10k 5% 0.1W	
3099	4822 116 80881	220k 5% 0.1W	
3101	4822 111 91507	82k 5% 0.1W 0805	
3103	4822 111 91516	1k 5% 0.1W	
3104	4822 116 80887	68Ω 5% 0.1W	
3107	4822 111 91532	4k7 5% 0.06W	
3108	4822 111 91518	100k 5% 0.1W	
3109	4822 111 91511	2M2 5% 0.1W	
3110	5322 116 90216	47k 5% 0.06W	
3111	4822 116 80881	220k 5% 0.1W	
3112	4822 116 90443	180k 5% 0.1W	
3113	4822 111 91498	15k 5% 0.1W	
3114	4822 100 20166	10k 30%LIN 0.1W	
3115	4822 111 91532	4k7 5% 0.06W	
3116	4822 111 91518	100k 5% 0.1W	
3117	4822 111 91511	2M2 5% 0.1W	
3118	5322 116 90216	47k 5% 0.06W	
3123	4822 111 91517	10k 5% 0.1W	
3126	4822 111 91534	5k6 5% 0.06W	
3127	4822 111 91534	5k6 5% 0.06W	
3130	4822 111 91517	10k 5% 0.1W	
3133	5322 116 90216	47k 5% 0.06W	
3134	4822 111 90182	390k 2% 0.25W	

			
3137	4822 111 91507	82Ω 5% 0.1W	
3138	4822 111 91534	5k6 5% 0.06W	
3139	4822 111 91534	5k6 5% 0.06W	
3140	4822 111 91507	82k 5% 0.1W 0805	
3141	4822 116 80907	1M 5%	
3142	4822 116 90446	470Ω 5% 0.1W	
3143	4822 111 90182	390k 2% 0.25W	
3145	4822 111 91526	3k3 5% 0.1W	
3150	4822 111 91517	10k 5% 0.1W	
3151	4822 111 91517	10k 5% 0.1W	
3155	4822 111 91518	100k 5% 0.1W	
3156	4822 111 91518	100k 5% 0.1W	
3165	4822 111 91518	100k 5% 0.1W	
3166	5322 116 90216	47k 5% 0.06W	
3167	4822 116 90441	100Ω 5% 0.1W	
3170	4822 111 91532	4k7 5% 0.06W	
3171	4822 111 91516	1k 5% 0.1W	
3172	4822 111 91516	1k 5% 0.1W	
3173	4822 116 90446	470Ω 5% 0.1W	
3174	4822 116 90441	100Ω 5% 0.1W	
3180	4822 111 91521	18k 5% 0.1W 0805	
3181	4822 116 81382	12k 5% 0.1W 0805	
3182	4822 116 90447	470k 5% 0.1W 0805	
3183	4822 111 91518	100k 5% 0.1W 0805	
3184	4822 111 91518	100k 5% 0.1W 0805	
3185	4822 116 80877	1k2 5% 0.1W 0805	
3201	4822 111 91518	100k 5% 0.1W	
3239	4822 116 90462	4Ω7 5% 0.1W	
3241	4822 116 90462	4Ω7 5% 0.1W	
3300	4822 111 91517	10k 5% 0.1W	
3301	4822 111 91517	10k 5% 0.1W	
3302	4822 111 91517	10k 5% 0.1W	
3303	4822 111 91517	10k 5% 0.1W	
3304	4822 111 91517	10k 5% 0.1W	
3305	4822 111 91534	5k6 5% 0.06W	
3310	4822 111 91518	100k 5% 0.1W	
4001	4822 111 90163	jumper	
4007	4822 111 90163	jumper	

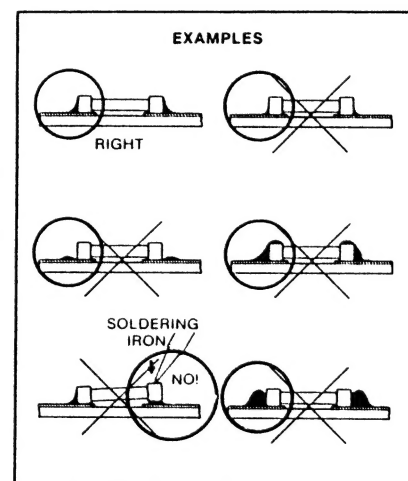
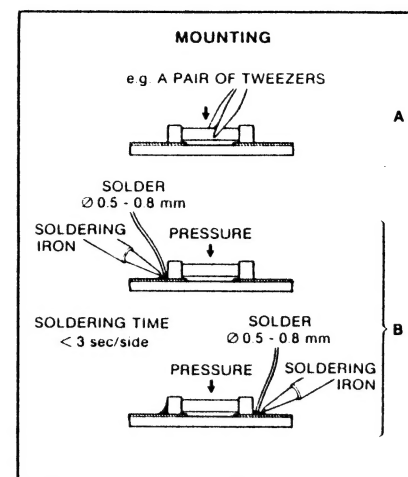
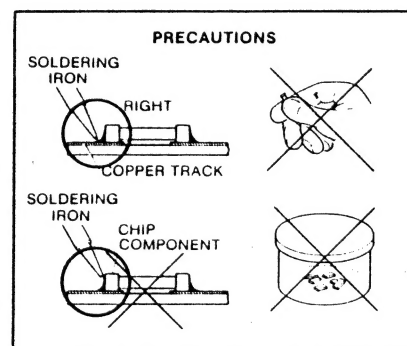
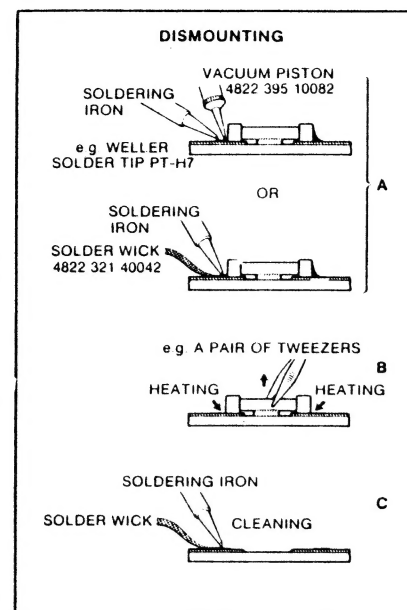
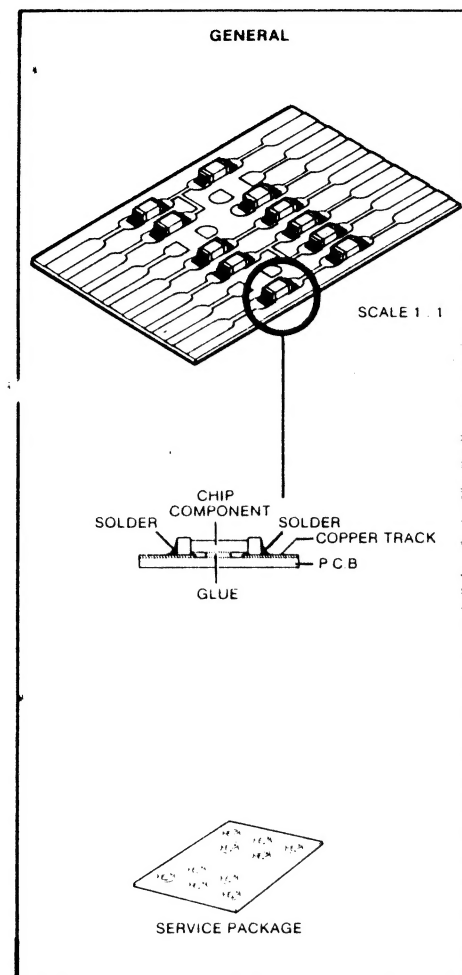
			
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5001	4822		
5002	4822		
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5009	4822		
5010	4822		
5011	4822		
5012	4822		
5014	4822		
5015	4822		
5017	4822		
5018	4822		
5020	4822		
6000	4822		
6001	4822		
6002	4822		
6003	4822		
6005	4822		
6006	4822		
6007	4822		
6010	4822		
7000	5322		
7001	4822		
7002	5322		
7003	5322		
7004	5322		
7005	4822		
7007	5322		
7007	4822		
7008	5322		
7009	5322		
7010	5322		
7012	4822		
7017	4822		
7018	4822		
7019	4822		
7020	5322		
7021	4822		
7022	5322		
7023	4822		
7024	4822		

5% NPO 0805  
20% 16V  
5% NPO 0805  
5% NPO 0805  
20% 16V  
20% 63V  
20% 16V  
20% 63V  
20% 16V  
IF 20% 16V  
20% 50V  
20% 5.5V  
10%  
20% 10V  
20% 63V  
20% 63V  
5% NPO 0805  
5% NPO 0805  
0%  
0% 50V  
20% 16V  
20% 16V  
10% 0805  
10% 0805  
20% 16V  
0% 50V  
0% 50V  
IF 20% 10V  
IF 20% 10V  
20% 16V  
20% 16V  
20%  
20%zl

							
3000	4822 116 90443	180k 5% 0.1W		3137	4822 111 91507	82Ω 5% 0.1W	
3001	4822 116 90443	180k 5% 0.1W		3138	4822 111 91534	5k6 5% 0.06W	
3002	4822 116 80882	270Ω 5% 0.1W		3139	4822 111 91534	5k6 5% 0.06W	
3003	4822 116 80877	1k2 5% 0.1W		3140	4822 111 91507	82k 5% 0.1W 0805	
3004	4822 111 91518	100k 5% 0.1W		3141	4822 116 80907	1M 5%	
3005	4822 116 90467	22Ω 5% 0.1W		3142	4822 116 90446	470Ω 5% 0.1W	
3007	4822 111 91518	100k 5% 0.1W		3143	4822 111 90182	390k 2% 0.25W	
3008	4822 116 90443	180k 5% 0.1W		3145	4822 111 91526	3k3 5% 0.1W	
3010	4822 116 90467	22Ω 5% 0.1W		3150	4822 111 91517	10k 5% 0.1W	
3011	4822 116 90467	22Ω 5% 0.1W		3151	4822 111 91517	10k 5% 0.1W	
3012	4822 111 91518	100k 5% 0.1W		3155	4822 111 91518	100k 5% 0.1W	
3013	4822 111 91518	100k 5% 0.1W		3156	4822 111 91518	100k 5% 0.1W	
3014	4822 100 20166	10k 30%LIN 0.1W		3165	4822 111 91518	100k 5% 0.1W	
3015	5322 116 90216	47k 5% 0.06W		3166	5322 116 90216	47k 5% 0.06W	
3016	4822 111 91517	10k 5% 0.1W		3167	4822 116 90441	100Ω 5% 0.1W	
3019	4822 116 90467	22Ω 5% 0.1W		3170	4822 111 91532	4k7 5% 0.06W	
3021	4822 111 91535	56k 5% 0.06W		3171	4822 111 91516	1k 5% 0.1W	
3025	4822 116 90446	470Ω 5% 0.1W		3172	4822 111 91516	1k 5% 0.1W	
3030	4822 111 91533	560Ω 5% 0.06W		3173	4822 116 90446	470Ω 5% 0.1W	
3031	4822 116 90446	470Ω 5% 0.1W		3174	4822 116 90441	100Ω 5% 0.1W	
3033	4822 111 91516	1k 5% 0.1W		3180	4822 111 91521	18k 5% 0.1W 0805	
3034	4822 111 91516	1k 5% 0.1W		3181	4822 116 81382	12k 5% 0.1W 0805	
3036	4822 116 80881	220k 5% 0.1W		3182	4822 116 90447	470k 5% 0.1W 0805	
3058	4822 116 90339	220Ω 5%		3183	4822 111 91518	100k 5% 0.1W 0805	
3060	4822 116 90441	100Ω 5% 0.1W		3184	4822 111 91518	100k 5% 0.1W 0805	
3061	4822 100 20166	10k 30%LIN 0.1W		3185	4822 116 80877	1k2 5% 0.1W 0805	
3062	4822 111 91526	3k3 5% 0.1W		3201	4822 111 91518	100k 5% 0.1W	
3063	4822 100 20166	10k 30%LIN 0.1W		3239	4822 116 90462	4Ω7 5% 0.1W	
3064	4822 116 90457	10Ω 5% 0.1W		3241	4822 116 90462	4Ω7 5% 0.1W	
3067	4822 116 80888	750Ω 5% 0.1W		3300	4822 111 91517	10k 5% 0.1W	
3069	4822 111 91526	3k3 5% 0.1W		3301	4822 111 91517	10k 5% 0.1W	
3070	4822 116 90457	10Ω 5% 0.1W		3302	4822 111 91517	10k 5% 0.1W	
3072	5322 116 90216	47k 5% 0.06W		3303	4822 111 91517	10k 5% 0.1W	
3073	4822 111 91526	3k3 5% 0.1W		3304	4822 111 91517	10k 5% 0.1W	
3075	4822 111 90213	620k 2% 0.25W		3305	4822 111 91534	5k6 5% 0.06W	
3077	4822 111 91517	10k 5% 0.1W		3310	4822 111 91518	100k 5% 0.1W	
3078	4822 111 91534	5k6 5% 0.06W		4001	4822 111 90163	jumper	
3080	4822 111 91532	4k7 5% 0.06W		4007	4822 111 90163	jumper	
3082	4822 111 91517	10k 5% 0.1W					
3099	4822 116 80881	220k 5% 0.1W					
3101	4822 111 91507	82k 5% 0.1W 0805					
3103	4822 111 91516	1k 5% 0.1W					
3104	4822 116 80887	68Ω 5% 0.1W					
3107	4822 111 91532	4k7 5% 0.06W					
3108	4822 111 91518	100k 5% 0.1W					
3109	4822 111 91511	2M2 5% 0.1W					
3110	5322 116 90216	47k 5% 0.06W					
3111	4822 116 80881	220k 5% 0.1W					
3112	4822 116 90443	180k 5% 0.1W					
3113	4822 111 91498	15k 5% 0.1W					
3114	4822 100 20166	10k 30%LIN 0.1W					
3115	4822 111 91532	4k7 5% 0.06W					
3116	4822 111 91518	100k 5% 0.1W					
3117	4822 111 91511	2M2 5% 0.1W					
3118	5322 116 90216	47k 5% 0.06W					
3123	4822 111 91517	10k 5% 0.1W					
3126	4822 111 91534	5k6 5% 0.06W					
3127	4822 111 91534	5k6 5% 0.06W					
3130	4822 111 91517	10k 5% 0.1W					
3133	5322 116 90216	47k 5% 0.06W					
3134	4822 111 90182	390k 2% 0.25W					

							
5000	4822 156 10666	RF	7030	4822 130 44257	BC547		
5001	4822 152 20677	10μH	7040	4822 130 44257	BC547		
5002	4822 157 53767	FM	7041	4822 130 34173	BZX55-C5V6		
5003	4822 157 52227	RF	7042	4822 130 30862	BZX55-C9V1		
5005	4822 157 60172	IF-FM	7043	4822 130 42681	BD939F		
5006	4822 157 60122	4.7μH	7044	4822 130 44257	BC547		
5007	4822 152 20677	10μH	7052	4822 130 34048	BZV86-2V6		
5008	4822 152 20677	10μH	7300	4822 130 44257	BC547		
5009	4822 152 20678	33μH10%	7301	4822 130 44257	BC547		
5010	4822 152 20679	68μH	7302	4822 130 44257	BC547		
5011	4822 157 50975	1 mH	7305	4822 130 41845	ON796		
5012	4822 156 11085	AM	7310	4822 214 51674			
5014	4822 152 20678	33μH10%					
5015	4822 156 11084	IF-AM					
5017	4822 156 11081	1.47μH					
5018	4822 157 50975	1 mH					
5020	4822 152 20681						
							
6000	4822 209 73069	LA1177	1010	4822 252 51097	2.5A (T)		
6001	4822 209 72247	TEA6200/V1	1030	4822 101 90188	BALANCE		
6002	4822 209 73507	TEA6100/N3	1031	4822 101 90189	TONE		
6003	4822 209 72248	TSA6057/C5 B	1032	4822 102 20096	50k 20%		
6005	4822 209 73712	TEA5581/N4	1050	4822 242 72583	SFE 10.7MS3-A-TF20		
6006	4822 209 71871	TA7784P	1051	4822 242 72583	SFE 10.7MS3-A-TF20		
6007	4822 209 61153	TMP47C421AF-8507	1054	4822 242 72582	SFE10.7MS3-D-TF20		
6010	4822 209 72249	TDA1518Q/N4	1055	4822 242 72582	SFE10.7MS3-D-TF20		
7000	5322 130 34825	BB204G	1056	4822 242 72076	10.7 MHz		
7001	4822 130 60515	BF992	1057	4822 242 72076	10.7 MHz		
7002	5322 130 34825	BB204G	1060	4822 214 51676	IAC-7		
7003	5322 130 34825	BB204G	1070	4822 242 71874	4.000 000 MHz		
7004	5322 130 34337	BAV99	1071	4822 242 72579	CSA4.00MGTF		
7005	4822 130 44257	BC547	1300	4822 134 40932	80mA,ORANGE		
7007	5322 130 41983	BC858B	1301	4822 134 40952			
7007	4822 130 40941	BC558	1302	4822 134 40952			
7008	5322 130 41983	BC858B	1303	4822 134 40938	80mA-16V WHITE		
7009	5322 130 41983	BC858B					
7010	5322 130 31684	BB809					
7012	4822 130 30621	1N4148					
7017	4822 130 34174	BZX55-C4V7					
7018	4822 130 30621	1N4148					
7019	4822 130 44257	BC547					
7020	5322 130 30684	1N4002					
7021	4822 130 34174	BZX55-C4V7					
7022	5322 130 34337	BAV99					
7023	4822 130 30621	1N4148					
7024	4822 130 30621	1N4148					





27 012C12

Carbon film 0.2 W 70°C 5%	Ceramic plate Tuning ≤ 120 pF NP.0 2% Others -20/+80%	*a = 2.5 V b = 4 V c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V j = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V A = 1.6 V B = 6 V C = 12 V D = 15 V E = 20 V F = 35 V G = 50 V H = 75 V I = 80 V
Carbon film 0.33 W 70°C 5%	Polyester flat foil 10%	
Metal film 0.33 W 70°C 5%	Metalized polyester flat film 10%	
Carbon film 0.5 W 70°C 5%	Polyester flat foil small size (Mylar) 10%	
Carbon film 0.67 W 70°C 5%	Polysterene film/foil 1%	
Carbon film 1.15 W 70°C 5%	Tubular ceramic	
Miniature single	Subminiature tantalum ± 20%	
Chip component		

27 037A/C

Chips 50 V NP0 S1206	Chips 0,125 W S1206	Chips 0,125 W S1206	1U
1 pF 5% 4822 122 32479	4,7 E 5% 5322 111 90376	6,8 k 2% 4822 111 90544	
1,2 pF 5% 4822 122 33013	5,1 E 5% 4822 111 90393	7,5 k 2% 4822 111 90276	
1,5 pF 5% 4822 122 31792	5,6 E 5% 4822 111 90394	8,2 k 2% 5322 111 90118	
1,8 pF 5% 4822 122 32087	6,2 E 5% 4822 111 90395	9,1 k 2% 4822 111 90373	
2,2 pF 5% 4822 122 32425	6,8 E 5% 4822 111 90254	10 k 2% 4822 111 90249	
3,3 pF 5% 4822 122 32079	7,5 E 5% 4822 111 90396	11 k 2% 4822 111 90337	
3,9 pF 5% 4822 122 32081	8,2 E 5% 4822 111 90397	12 k 2% 4822 111 90253	
4,7 pF 5% 4822 122 32082	9,1 E 5% 4822 111 90398	13 k 2% 4822 111 90509	
5,6 pF 5% 4822 122 32506	10 E 2% 5322 111 90095	15 k 2% 4822 111 90196	
6,8 pF 5% 4822 122 32507	11 E 2% 4822 111 90338	16 k 2% 4822 111 90346	
8,2 pF 5% 4822 122 32083	12 E 2% 4822 111 90341	18 k 2% 4822 111 90238	
10 pF 5% 4822 122 31971	13 E 2% 4822 111 90343	20 k 2% 4822 111 90349	
12 pF 5% 4822 122 32139	15 E 2% 4822 111 90344	22 k 2% 4822 111 90251	
15 pF 5% 4822 122 32504	16 E 2% 4822 111 90347	24 k 2% 4822 111 90512	
18 pF 5% 4822 122 31769	18 E 2% 5322 111 90139	27 k 2% 4822 111 90542	
22 pF 10% 4822 122 31837	20 E 2% 4822 111 90352	30 k 2% 4822 111 90216	
27 pF 5% 4822 122 31966	22 E 2% 4822 111 90186	33 k 2% 5322 111 90267	
33 pF 5% 4822 122 31756	24 E 2% 4822 111 90355	36 k 2% 4822 111 90514	
39 pF 5% 4822 122 31972	27 E 2% 5322 111 90105	39 k 2% 5322 111 90108	
47 pF 5% 4822 122 31772	30 E 2% 4822 111 90356	43 k 2% 4822 111 90363	
56 pF 5% 4822 122 31774	33 E 2% 4822 111 90357	47 k 2% 4822 111 90543	
68 pF 5% 4822 122 31961	36 E 2% 4822 111 90359	51 k 2% 5322 111 90274	
82 pF 10% 4822 122 31839	39 E 2% 4822 111 90361	56 k 2% 4822 111 90573	
100 pF 5% 4822 122 31765	43 E 2% 5322 116 90125	62 k 2% 5322 111 90275	
120 pF 5% 4822 122 31766	47 E 2% 4822 111 90217	68 k 2% 4822 111 90202	
150 pF 5% 4822 122 31767	51 E 2% 4822 111 90365	75 k 2% 4822 111 90574	
180 pF 2% 4822 122 31794	56 E 2% 4822 111 90239	82 k 2% 4822 111 90575	
220 pF 5% 4822 122 31965	62 E 2% 4822 111 90367	91 k 2% 5322 111 90277	
270 pF 5% 4822 122 32142	68 E 2% 4822 111 90203	100 k 2% 4822 111 90214	
330 pF 10% 4822 122 31642	75 E 2% 4822 111 90371	110 k 2% 5322 111 90269	
390 pF 5% 4822 122 31771	82 E 2% 4822 111 90124	120 k 2% 4822 111 90568	
470 pF 5% 4822 122 31727	91 E 2% 4822 111 90375	130 k 2% 4822 111 90511	
560 pF 5% 4822 122 31773	100 E 2% 5322 111 90091	150 k 2% 5322 111 90099	
680 pF 5% 4822 122 31775	110 E 2% 4822 111 90335	160 k 2% 5322 111 90264	
820 pF 5% 4822 122 31974	120 E 2% 4822 111 90339	180 k 2% 4822 111 90565	
1 nF 10% 5322 122 31647	130 E 2% 4822 111 90164	200 k 2% 4822 111 90351	
1,2 nF 5% 4822 122 31807	150 E 2% 5322 111 90098	220 k 2% 4822 111 90197	
1,5 nF 10% 4822 122 31781	160 E 2% 4822 111 90345	240 k 2% 4822 111 90215	
1,8 nF 10% 4822 122 32153	180 E 2% 5322 111 90242	270 k 2% 4822 111 90302	
2,2 nF 10% 4822 122 31644	200 E 2% 4822 111 90348	300 k 2% 5322 111 90266	
2,7 nF 10% 4822 122 31783	220 E 2% 4822 111 90178	330 k 2% 4822 111 90513	
3,3 nF 10% 4822 122 31969	240 E 2% 4822 111 90353	360 k 2% 4822 111 90515	
3,9 nF 10% 4822 122 32566	270 E 2% 4822 111 90154	390 k 2% 4822 111 90182	
4,7 nF 10% 4822 122 31784	300 E 2% 4822 111 90156	430 k 2% 4822 111 90168	
5,6 nF 10% 4822 122 31916	330 E 2% 5322 111 90106	470 k 2% 4822 111 90161	
6,8 nF 10% 4822 122 31976	360 E 1% 4822 111 90288	510 k 2% 4822 111 90364	
10 nF 10% 4822 122 31728	360 E 2% 4822 111 90358	560 k 2% 4822 111 90169	
12 nF 10% 5322 122 31648	390 E 2% 5322 111 90138	620 k 2% 4822 111 90213	
15 nF 10% 4822 122 31782	430 E 2% 4822 111 90362	680 k 2% 4822 111 90368	
18 nF 10% 4822 122 31759	470 E 2% 5322 111 90109	750 k 2% 4822 111 90369	
22 nF 10% 4822 122 31797	510 E 2% 4822 111 90245	820 k 2% 4822 111 90205	
27 nF 10% 4822 122 32541	560 E 2% 5322 111 90113	910 k 2% 4822 111 90374	
33 nF 10% 4822 122 31981	620 E 2% 4822 111 90366	1 M 2% 4822 111 90252	
47 nF 10% 4822 122 32542	680 E 2% 4822 111 90162	1,1 M 5% 4822 111 90408	
56 nF 10% 4822 122 32183	750 E 2% 5322 111 90306	1,2 M 5% 4822 111 90409	
100 nF 10% 4822 122 31947	820 E 2% 4822 111 90171	1,3 M 5% 4822 111 90411	
180 nF 10% 4822 122 32915	910 E 2% 4822 111 90372	1,5 M 5% 4822 111 90412	
220 nF 20% 4822 122 32715	1 k 2% 5322 111 90092	1,6 M 5% 4822 111 90413	
	1,1 k 2% 4822 111 90336	1,8 M 5% 4822 111 90414	
	1,2 k 2% 5322 111 90096	2 M 5% 4822 111 90415	
	1,3 k 2% 4822 111 90244	2,2 M 5% 4822 111 90185	
	1,5 k 2% 4822 111 90151	2,4 M 5% 4822 111 90416	
	1,6 k 2% 5322 111 90265	2,7 M 5% 4822 111 90417	
	1,8 k 2% 5322 111 90101	3 M 5% 4822 111 90418	
	2 k 2% 4822 111 90165	3,3 M 5% 4822 111 90191	
	2,2 k 2% 4822 111 90245	3,6 M 5% 4822 111 90419	
	2,4 k 2% 4822 111 90289	3,9 M 5% 4822 111 90421	
	2,7 k 2% 4822 111 90569	4,3 M 5% 4822 111 90422	
	3 k 2% 4822 111 90198	4,7 M 5% 4822 111 90423	
	3,3 k 2% 4822 111 90157	5,1 M 5% 4822 111 90424	
	3,6 k 2% 5322 111 90107	5,6 M 5% 4822 111 90425	
	3,9 k 2% 4822 111 90571	6,2 M 5% 4822 111 90426	
	4,3 k 2% 4822 111 90167	6,8 M 5% 4822 111 90235	
	4,7 k 2% 5322 111 90111	7,5 M 5% 4822 111 90427	
	5,1 k 2% 5322 111 90268	8,2 M 5% 4822 111 90237	
	5,6 k 2% 4822 111 90572	9,1 M 5% 4822 111 90428	
	6,2 k 2% 4822 111 90545	10 M 5% 5322 111 91141	